

Freydlin, S. Ya.

Problems and Outstanding Tasks Pertaining to
Dispensary Coverage of the Adult Urban Population.

6 pp

SOVETSKOYE ZDRAVOOKHRANENIYE, Moscow, No 2, 1974,
pp 12-17.

JPRS 61556

Freymuth, P.

The excitation of turbulence in separated laminar boundary layers.

GERMANY, WEST. DEUTSCHE VERSUCHSANSTALT FUER LUFT
UND RAUMFAHRT. Reports DLR-FB-66-02, 1966

N 72-22342

NTC 73-10999-20D

Freytag, H.

*Incorporation of ^{15}N into some conventional fractions of
soil organic matter without addition of an external
source of C.*

ALBRECHT-THAER-ARCHIV, Vol 14, No 10, 1970, pp 859-868
NTC 74-10163-02A

Freytag, H. E.

Investigation of Humification and Incorporation of
Nitrogen into humic substances after addition of glucose
(1 - 6^{14}C) and (15 NH_4), SO_4 to the soil

ALBRECHT-THAER-ARCHIV, VOL. 14, N. 6, 1970, pp 495-506

CSIRO-Trans-11211

NTC 73-11802-02A

Freytag, R.

The effect of tension on the kinetics of
the dyeing process of polyester fibers.
LENZINGER BERICHTE, 1971, pp 65-69, n. 32.
NTC 73-12066-11E.

R. Freytag

The Influence of the Tension on the
Kinetics of the Dyeing Process of
Polyester Fibers, by R. Freytag.
ENGLISH, per, International Chemical
Fibers Conference (no 10),
21-23 September 1971
NTC 72-12265-11E

July 72

FRID, YU. V.
//SVETOTEKHNKA//
--/--/1965, V----, N00009,
light-singnaling equipment for the landing of
modern airoraft,
pp 11-15, *NTC 74-11517-01D##

Fridland, V.M.

Comparative Genetic Characteristics of Soils
of North America, USSR and Western Europe.
Sravnitelnaia geneticheskaiya kharakteris-
tika pochv Severnoi Ameriki, SSSR i Zapadnoi
Europy. Izdatelstvo Akademiy Nauk, Moscow,
pp.216-266, 1963.
*NTIS-TT-73-52023

FRIDLAND, V. M.
//СТРУКТУРА ПОЧВЕННОГО ПОКРОВА//
--/--/1972, Y-----, H-----,
Structure of the Soil Cover,
pp 1-424, Keter Publishing House, Jerusalem Ltd. 68

Fridland, V.M.

S&O1 Combinations and their Genesis.
Pochvennye Kombinatsiy i ikh genezis. Izda-
telstvo "Nauka," Moscow, 1972. 215pp.
*NTIS TT 73-52024

Fridlender, N.A.

Electrical Simulation of Nonlinear Heat
and Mass Transfer Problems 8 pp

FSTC-HT-23-405-72
ACSI-K-0995

Fridlyand, I. B.

*The effect of radiation therapy on the amount of zinc in
the blood of patients with tumors of the pituitary gland.*

MEDITSINSKAYA RADIOLOGIYA, Vol 17, No 4, 1972, pp 9-12

NYC 73-14319-08R

Fridlyander, I. N.

Structure and properties of high-modulus alloys of
beryllium with aluminum. 9 pp.

SPLAVY TSVETNYKH METALLOV, 1972, pp. 230-234.

AIR/PTD/HT-23-159-73

May 73

A. L. Fridman

Theory and Design of Commercial Fishing Gear, by
A. L. Fridman, 488 pp.

TEORIYA I PROEKTIROVANIE ORUDIY PROMYSHLENNOGO
RYBOLOVSTVA, 1969.

NTIS TT 71-50129

Mar 72

FRIDMAN, A. L.

//PROEKTIROVANIE I ISPYTANIE TRALOV//
--/--/1973, V----, N----, pp 0001-0263

Designing and Testing of Trawls,

*NTIS-TT-75-52014

##

Fridman, A. M.

*Collective Oscillations of Spherically Symmetric
Rotating Mass Systems*

AKADEMIYA NAUK SSSR. DOKLADY, v. 202, 1972, pp. 67-

70

MC 73-12687-20H

NTIS N72-27751

68

FRIDMAN, S. D.
//KHIMICHESKIE VOLOKNA//
--/--/1967, V-----, NO002,
Determination of Carbon Disulfide in Precipitation
Baths (Used in Rayon Manufacture),
pp 61-62, WTC 74-10946-11500

FRIDMAN, S. S.
//IZVESTIYA VISSHEGO UCHENNOGO ZAVEDENIYA.
TEKHNOLOGIYA IZGOI PROIZVEDENOSTI//
--/--/1967, V---, NO002,
Purification and Degassing of Settling Baths During
Production of Viscose Fibers and Films by the
Flotation Methods, Part II.
PP 52-57, NTC 74-10928-1188

FRIDMAN. V.
//SUDDOVYYE NAVIGATSIONNYYE RADIOLOKATSIONNYYE
STANTSII KIVACH-1 I KIVACH-2//
--/--/1971, V----, n----
Kivach-1 and Kivach-2 Marine Navigation Radar
sets 150 pp
pp 3-168 pp NAV/NISC/TRAN-3583-74##

FRIE W MICHEL ■ GE

THE FEASIBILITY OF AN ELECTRICALLY-PROPELLED
VEHICLE POWERED BY FUEL CELLS

ETZ-A VOL 94 (1973) NO 11 PP 699-705

FSTC-HT-23-0256-75

Friebel, H.

Experimental Animal Species and Experimental Results in
Testing Pain and Cough Suppressive Medicaments

~~WALTER SCHNEIDERMAN'S ANIMAL PAIN EXPERIMENTS~~
~~WALTER SCHNEIDERMAN'S ANIMAL PAIN EXPERIMENTS~~

W. 229, 1956, p. 400-407

WFO 73-11671-050

Fried, M.
Accuracy Investigations of Astrogeodetic Geoid
Computation. AVN--Allgemeine Vernetzungs-
Nachrichten, Herbert Wichmann Verlag GmbH, Karlsruhe
Vol 79, No 10, 1 Oct 1972. pp 393-398

DMAAC-TC-1916

DISTRIBUTION LIMITED TO U.S. GOV'T AGENCIES ONLY.
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Friede, G.

A Variable Blackbody for Temperatures to 4000 K inclusive
ZEITSCHRIFT FÜR ANGEWANDTE PHYSIK, v. 28, 1970,
pp. 357-362
NTC 73-21542-20M
NTIS N72-32946

Friede, Rudolf

Results of Wage-Control Audits in 1972 Reported
10 pp.

PRACE A MZDA, Prague, No 4, Apr 73, pp 169-
174.

JPRS 59748

30p 73

4-Dec-74

Uncl (UCRL-Trans--1518) Covalency of the elemental structures and AB compounds. I. Theorem of Leman, Thorpe, and Weaire. II. Moment expansions. FRIEDEL, J.; LANNOD, M. Translated by C. Krause from J. Phys. (Paris); 34: 115-121(1973). 72p. Dep. NTIS \$6.75.

20L physics (solid-state); translations
MN-34 P NSA

FRIEDL, R.

//STANL U. EDEN//

--/--/1973,VO093,NO002,

The Energy Economy of the Steel Industry in West
Germany, and the Influence of the World Energy
Economy,

pp 920-927,BISI 1218100

Friedl, R.

The Optimum Control of Energy Supply in Steel Works.

STAHL EISEN, 1971, Mar. 4.

9/BISI 11484

Friedman, Bruno

Allende Discusses Role of Science, Technology,
10 pp.

ANORA, Santo Domingo, 25 Jun 73, pp 8, 9, 10,
12, 13, 14, 16.

JPRS 59587

Aug 73

Friedrich, H.

The breakdown of phenolic substances by *Aspergillus Niger*.
ARCHIV FÜR MIKROBIOLOGIE, Vol 25, 1956, pp 297-305

NTC 78-14502-06A

29-Nov-74

Unc1 (AEC-tr--7591) Construction and operational
description of the fast reactor corecatcher. FRIEDRICH,
H.; KNAPE, H. 8 Aug 1974. Translation of INTERATUM
Memorandum No. 43.1947.8. 6p. Dep. NTIS \$4.00.

181 reactor engineering; 181 reactor safety; translations
MN-79 P NSA

FRITZ RICH, R.

Scale Effects on Horticulture Effects
caused by Smoke Cases
FORSCHUNG UND BERATUNG, VORSTUDIEN, VORSTUDIEN, VORSTUDIEN,
series 6, no. 6, pp. 53-57, 1963
NO 72-10142-105

March 73

Friedrich, Werner

Doubts About GDR-USSR Technical Cooperation
Criticized, 9 pp.

EINHEIT, East Berlin, Nov 73, pp 1361-1366.

JPRS 60959

Jan 74

W. Friehe

Effect of Silicon and Manganese in Plain Carbon
Steels on the Weather Rate in Air and Sea Water.
STAHL EISEN, Vol 92, No 21, 1972, pp ~~XXXX~~ 1044-46.
BISI 11162

Sept 73

Frigieri, P.

Spectroscopic analysis of elements present in
airborne materials.

CHIMICA E L'INDUSTRIA, Vol. 54, n. 1, 1972,
p. 12-17

NTC 73-11233-07B

Frilke, M.

Possibilities for improving the conventional instrument
landing system

VERBESSERUNGSMÖGLICHKEITEN DES KONVENTIONELLEN
INSTRUMENTENLANDE SYSTEMS, TECHNISCHE UNIVERSITÄT,

May 2-4, 1973, pp. 16

*NASA TT F 15609

FRIML, K.

//VESTNIK CSAV//

--/--/1974,V----,N0005, pp 0259-0261

Sep-Oct 1974

Secretary General Introduces 1973 Annual Report
of the CSAV 3 pp

GOVERNMENT USE ONLY

JPRS /L5143

!!

Frisch, B.

Determination of Pickling Time When Descaling
Steel by Means of Hydrochloric Acid.

STAHL UND EISEN, Vol.93, 1973, No.15, pp.673-
679.

HB 9097

Frischat, G. H.

Ionic Transport in Silica

GLASTECHNISCHE BERICHTE, v. 45, 1972, pp. 309-319

NTC 73-12564-118

U. Frisinghelli.

Behaviour of Extruded and Cast Polymethyl
Methacrylate Sheet on Post Forming and
Machining,
ITALIAN, per, Materie Plastiche, Vol 29, 1963,
pp 704-713.
Order from RAP as RAPRA 1579. \$25.00
NTC 72-60660-111

Nov 72

Fristedt, B.

Health hazards from automobile exhausts at service facilities of multistory garages.

HYGIENISK REVY, Vol 80, 1971, pp 112-118

NYC 73-14851-08J

Fritsberg, V. Ya

Study of Polarization Nonlinearity Near Phase
Transitions in Perovskite-Type Ferroelectrics,
Using an Anharmonic Oscillator Model 13 pp

FAZOVYE PEREKHODY V SEGNETOELEKTRIKAH 1971

FSTC-HT-23-150-73

Fritsch, E.

Kinetics of reaction between pure and Fe_2O_3 containing NaCl or CaCl_2 with a gas phase of SO_2 , O_2 and SO_3 .

ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, Vol. 344, 1966, p. 248-262

NTC 73-11235-07B

Fritsch, G. et al

Automation of Hot plate Rolling in Reversing
Mills.

REV. MET., 1973, March, pp.213-223.

BISI 11645

Fritsch, V.

Diffusion resistance of concrete grounds.

ELEKTROTECHNIK UND MASCHINENBAU, Vol 88, 1971,

pp 341-346

NTC 73-14010-13C

FRIEDSON, W. H.

//~~TECHNICAL INFORMATION~~. ~~DATA~~//

--/1972, V0065, N----

Flow, Stability and Mixing in Combustion,

pp 101-109, NTC 74-10335-21B40

FRITZ, K.
//NUCLEAR ENGINEERING AND DESIGN//
--/--/1972, V0020,N----,
Non-Steady Heat Transfer Calculations as a Basis
for the Stress Analysis of Steam Generators and
Heat Exchangers,
pp 5-29,NTC 74-10775-20M90

Fritze, A.

Considerations for the Improvement of the
Protection Provided by Safety Footwear 16 pp

KOMPASS Vol 83 (5) 1973 pp 116-121

SMRE Trans No 6324

CIA-X-7846

Pritzsche, R.

Investigations about the usefulness and dependability of quick test methods compared with traditional laboratory procedures. Part 4. Quick test for blood sugar determination.

PAEDIATRISCHE PRAXIS: TÄGLICHE PRAXIS DER GESAMTEN
KINDERHEILKUNDE, Vol 11, 1972, pp 621-625
NTC 73-14421-08A

Frudic, Safet

Operation of Ferrous Metallurgical Industry in
1972.

12 pp

CELJE, Belgrade, Aug 1973. pp 9-16.

JPRS 60607

Frobose M. Mathi

Measuring the Free-Field Sound Pressure Pro-
duced by Explosions in Open Rock Tunnels
Deutsch-Franzosisches Forschungsinstitut Saint-
Louis 1. 3. 1971, Expl No. 28, 38 pp.
FSTC-HT-23-355-73

21 may 73

Froboese, M.

Effects of Blasts on Animals: Pressure Recording
in the Body and Biological Results of Blasts

77 pp

FSTC-HT-23-702-73

DISTRIBUTION LIMITED TO U.S. GOVT AGENCIES

Froehly, C.

A study of slight displacements of opaque objects
and optical distortions in solid lasers by holo-
graphic interferometry.

OPTICA ACTA, 1969, v. 16, p. 343-362.

NTC 73-12322-20E

Froelich, Lech

Cooperation Needed for Chemical Industry's
Growth, 9 pp.

ZYCIE GOSPODARSTWA, Warsaw, 3 Jun 73, p 5.
JPRS 59559

Aug 73

Freelich, Lech

Chemical Industry's Needs, Capabilities
Outlined, 7 pp.

ZYCIE GOSPODARCZE, Warsaw, 20 Oct 74, p 5.

JPRS 63412

Dec 74

Froelich, Lech

Dynamic Growth of Chemical Industry Supported.
8 pp

ZYCIE GOSPODARSTWA. Warsaw, 14 Oct 1973. pp 6-7.
JPRS 60607

Froger, C.

Anemometry and the Calibration of Anemometers
at Speeds Ranging from 0.10 m/s to 20 m/s at
CERCHAR, France

MESURES, Aug-Sep. 1969 Vol 34 (8-9) pp 73-79

SMRE tr 6257

July 1973

Probst, J.

Drug induced hemorrhage with emergency esophagoscopy.
ANNALES DE GASTROENTEROLOGIE ET D'HEPATOLOGIE, Vol 8,
No 4, 1972, pp 381-387
NTC 73-14332-080

Frohberg, M. G. et al

Thermodynamics of Complex Solutions Demonstrated
on Homogeneous Iron-Chromium-Phosphorus-Carbon
Melts.

ARCH. EISENH., 1968, Vol. 39, No. 8, pp.587-593.

BISI 10779

FRÖHLICH, H.
//MITTEILUNGEN AUS DEM INSTITUT FÜR THEORETISCHE
GEODASIE DER UNIVERSITÄT BONN//
--/--/1974,V----,N0025
Integration Errors in the Equations of Variation
for the Simple Layer Model in Satellite Geodesy,
no pp given, *DMAAC-16 Aug 197400

FROMHOLZER, J.

//ELEKTROSTATISCHWIRTSCHAFT//

--/--/1972, W0071, S-----,

Informative Trip of the Eco-Expert Team for
Power Stations Through Greece,
PP 70-76, WTC 74-11386-09088

ESB Trans 519

Frolov, E. N.

Investigation of the dynamic structure of proteins
by the gamma-resonance tag method

DOKLADY AKADEMII NAUK SSSR, PHYSICAL CHEMISTRY,

v. 212, no. 1, 1973, pp. 165-168

CB

Frolov, I.

On the Dialectics of Scientific Knowledge;
The Groundlessness of Jacques Monod's Philosophical
Findings.

16 pp

KOMMUNIST, Moscow, No 3, Feb 1974, pp 90-102.

JPRS 61776

Prolov, K. I.

Legal Regulation of Wholesale Prices.

11 pp

SOVETSKOYE GOSUDARSTVO I PRAVO, Moscow, No 7, 1974,

pp 19-27.

JPRS 62927

M. V. Frolov

Differentiation Between Degree and Direction of Emotional Tension in Man According to Change in Intonational Characteristics of Speech, by M. V. Frolov, 6 pp.
RUSSIAN, per, Fiziologicheskiye Osobennosti Polozhitel'nykh i Otritsatel'nykh Emotsional'nykh Sostoyaniy, Moscow, 1972, pp 128-132.
JPRS 59072

May 73

FROLOV, V. A.
//DOKLADY AKADEMII NAUK SSSR, EARTH SCIENCE//
--/--/1973, V0210, N0006,
Age of Phosphorite of the Uda-Selendzha
Interfluv, Khabarovsk Kray,
pp 1417-1418, AG168

Frolov, V. S.

Electronic computing technology in military
operations (chapters VIII, IX, and X) 52 pp

ELEKTRONNO-VYCHISLITEL'NAYA TEKHNIKA V

VOYENNOM DELE, 1972, pp. 80-124

AIR/PTD-MT-24-730-74

Frolov, V. V.

Calculation of Temperature Fields in Multilayer
Shells 17 pp

IZVESTIYA AKADEMII NAUK SSSR, ENERGETIKA I TRANSPORT,
No. 4, 1971, pp. 112-121

FTD-MT-23-603-73

Prolov, Ya. P.

New data on the role played by the sympathetic nervous system in the regulation of antibody formation and development of anaphylactic shock. 8 pp.

PATOLOGICHESKAYA FIZIOLOGIYA I EKSPERIMENTALNAYA TERAPIYA, No 4, 1972, pp 79-82

AIR/FTD-23-371-74

Frolov, Yu.

Service of Private Cars Discussed.

6 pp

AVTOMOBIL'NYI TRANSPORT, Moscow, No 2, Feb 1974,
pp 23-25,
JPRS 61702

Prolov, Yu. V.

Combustion of Mixed "Homogenized" System
KIMMEL, J. E. 1972, pp. 67-69
AD-772-23-001-74

5 PP

Frolov, Yu. V.

Convective Burning of Porous Explosives.
The Physics of Combustion and Explosion, Vol.8,
No. 3, September 1972, pp.368-379.
NISC 3484

24-Aug-73
Unc1 (DRNL-tr--2654) Equilibrium pressure of carbon
monoxide over niobium--oxygen--carbon solid solutions.
FROMM, E.; SPAETH, G. Translated by R.G. Mansfield from
Z. Metallk.; 59: No. 1, 65-68(1968). 13p. Dep. NTIS
\$3.00.

07D chemistry (physical); 11F metallurgy; translations
MN-25 P NSA

16-Aug-73
Uncl (ORNL-tr--2653) Equilibrium pressure of carbon
monoxide over tantalum--oxygen--carbon mixed crystals.
FROM: E. HEINKEL, O. Translated by R. Gregg Mansfield
(Oak Ridge National Lab., Tenn.) from Z. Metallk.; 56:
No. 11, 895-810(1967). 20p. Dep. NTIS \$3.00.

11F metallurgy; translations
MN-25 P NSA

From, Eckehard

Equilibrium Pressure of Carbon Monoxide Over Niobium-
Oxygen-Carbon Solid Solutions 12 pp

Z. Metallkde., 59(1): 65-8 (1968).

AEC/ORNL-TR-2664-73

From, E., et al

Equilibrium Pressure of Carbon Monoxide over
Niobium-Oxygen Carbon Mixed Crystals

Z. METALLK. 59, No1 1968 65-8

*CNRL ORVL

July 1973

From, E., et al

Equilibrium Pressure of Carbon Monoxide over
Tantalum-Oxygen-Carbon Mixed Crystals/
E. METALLK 58 No 11 (1968) pp 805-11

ORNL AEC-TR-2663-73

July 1973

FROMMOLT, A.

//ZEITSCHRIFT FÜR GASTROENTEROLOGIE//

--/--/1978, V0010, N---,

*Influence of coffee and caffeine on the recovery
rate from stress-induced ulcers in rats,*

pp 107-118, NTC 74-11457-08E##

Fronin, V.

Waste Paper Mismanagement in Kalinin.

5 pp

KOMSOMOL'SKAYA PRAVDA, Moscow, 1 Mar 1974, p 2.

JPRS 61917

J. Fronteau

The Liouville Theorem and the General
Problem of Stability, by J. Fronteau.
ENGLISH, per, European Organization
for Nuclear Research. CERN, 1965.
NFC 72-11012-12B

May 70

PROSSARD, P.

//FRUITS//

--/--/1973, V0028, H----

Investigation of Fungicidal Treatments Applied to
Bananas after Harvest. Part I. Action of Thiophanate
and Methylthiophanate,
pp 195-202, WTC 74-10365-02128

ERHHAUF, H. H.

//DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FÜR
LUFT- UND RAUMFAHRT INSTITUT FÜR LUFTSTRAHLANTRIEBE//

--/04/1974, V----, N----,

A method of characteristics for three-dimensional,
steady supersonic flow in rotating and stationary
annular cascades, 86 pp.

Report Number DLR-FB 73-12,

BSRO TT-44, ORDER FROM NTIS#H

Frumin, I.I. et al

Determination of Optimum Temperatures for Heating High-Carbon Chromium-Titanium Steels Before Rolling.

STAL', 1973, No.6, pp.546-548.

BISI 11800

Franklin, A. N.

Electrocapillary phenomena in thallium salt solutions.
ZHURNAL FIZICHESKOY KHIMII, Vol 31, 1957, pp 485-492
NTC 78-23084-07D

Frunin, et al

Determination of optimum temperature for heating high-carbon chromium-titanium steels before rolling.

STAL', 1973, No.6, pp.546-548.

*BISI 11800

Frunze, V.

Variegated Profitability in BSSR Meat Industry
Criticized,

5 pp

PROMYSHLENNOST' BELORUSSII, Minsk, No 12, 1973,
pp 45-47.

JPRS 61809

FRUTSCHNIGG, E.

Postoperative Analgesia with Pentazocine Suppositories
DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT, vol. 97,
pp. 656-660, 1972
NTC 73-103389060

March 73

Fruyentov, N. K.,

Medicinal Herbs of the Far East
KHABAROVSKOYE KNIZDAT 1972, 398 pp.

*ACSI K-4068

July 1973

Fruyentov, N.K., et al

Poisonous Plants

KHABAROVSKOYE KNIZDAT, 1971, 256 pp

*ACSI K-4069

July 1973

Fu'ad, Sa'd Zaghlud

Land Reclamation to Make Iraq a Breadbasket
Once Again, 6 pp.

AL-THAWRAH, Baghdad, 26 Aug 74, p 6.

JPRS 63271

Dec 74

Fuchs, C.

Measurement of the absolute radioluminescence yield
of liquid scintillators based on benzene and its
methylated derivatives

REVUE DE PHYSIQUE APPLIQUEE, v. 5, 1970, pp. 617-623

UCRL-Trans-10680

HTC 73-13041-18D

FUCHS. D.

//DEW TECH. BER//

--/--/1973, V----- n0012

Use of composite centrifugally cast tubes as inner liners for containers in extrusion unit

pp 207-21 BISI 11925##

Fuchs, E.

Specific Desensitization with Inhalation Antigens
DEUTSCHE MEDIZINISCHE WOCHENSCHRIFT, v. 91, 1966,
pp. 904-906
NYC 73-12840-06E

Fuchs, Gerhard

Former Comintern Agent Discusses Maoist
Threat, 8 pp.

DAS VOLK, Erfurt, 13 Feb 74, pp 3, 6.

JPRS 61560

Apr 74

W. Fucks

About Electromagnetically Generated Shock Waves
at High Mach Numbers, by W. Fucks.

EUROPEAN, per, Atomkernenergie, Vol 7, 1962,
pp 447-449.

NTC 71-15495-20I

Mar 72

A. Fuderer

Azeotropic and Other Frigen Mixtures as
Refrigerants, by A. Fuderer
GERMAN, per, Kaeltechnik, Vol 15, 1963,
pp 235-239
NTC 71-15102-11G

mar 72

Fuchs, D. et al

Use of Composite Centrifugally Cast Tubes as
Inner Liners for Containers in Extrusion Units.
DEW TECH. BER., 1973, V.12, pp.207-212/
BISI 11925